

Docket No.: 6268-000012/US/NP  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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In re Patent Application of:  
Tomohiro Taniguchi et al.

Application No.: National Phase of  
PCT/JP2005/011594

Confirmation No.: N/A

Filed: Concurrently Herewith

Art Unit: N/A

For: Optical-Wireless Hybrid Transmission  
System And Optical-Wireless Hybrid  
Transmission Method

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Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement accompanies the new patent application submitted herewith.

A partial translation of the non-English language references is enclosed.

Applicant has not submitted copies of each cited U.S. patent and U.S. patent application as required by 37 CFR 1.98(a)(2)(i), amended October 2004, as the U.S. Patent and Trademark Office has waived this requirement for all U.S. patent applications. Applicant submits herewith copies of foreign and non-patents in accordance with 37 CFR 1.98(a)(2).

Application No.: National Phase of PCT/JP2005/011594 Docket No.: 6268-000012/US/NP

A concise explanation of relevance of the items listed on form PTO/SB/08 is in the form of an English language copy of a Search Report from a foreign patent office, issued in a counterpart application, which refers to the relevant portions of the references.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 08-0750, under Order No. 6268-000012/US/NP.

Dated: April 28, 2006

Respectfully submitted,

By 

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IAP12 Rec'd PCT/PTO 28 APR 2006

PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>			<b>Complete if Known</b>		
			Application Number	Not Yet Assigned	
			Filing Date	Concurrently Herewith	
			First Named Inventor	Tomohiro Taniguchi	
			Art Unit	N/A	
			Examiner Name	Not Yet Assigned	
Sheet	1	of	1	Attorney Docket Number	6268-000012/US/NP

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA*	US-6,118,565	9/12/2000	FRIGO, Nicholas J.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	BA	JP-11-177534	07-02-1999			✓
	BB	JP-2000-278217	10-06-2000			✓
	BC	AU 741871	04-22-1999			
	BD	EP 0910187 A2	04-21-1999			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an single asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	TANIGUCHI et al., Hikari/Denki 2-dan Heterodyne Hoshiki ni yoru Hikari-Fiber Musen Access System no Kento", 2002 Nen The Institute of Electronics, Information and Communication Engineers, Electronics Society Taikai Koen Ronbunshu 1, C-14-15, 20 August 2002 (20.08.02), page 296	
	CB	TANIGUCHI et al., "Hikari/Denki 2-dan Heterodyne ROF System ni okeru SBS Yokusei Koka no Aru Hikari PSK Hencho Hoshiki no Kento", 2003 Nen The Institute of Electronics, Information and Communication Engineers Sogo Taikai Koen Ronbunshu, Electronics 1, C-14-4, 03 March 2003 (03.03.03), page 335	
	CC	TANIGUCHI et al., "60 GHz Uplink System ni okeru Loopback-gata Hikari-Heterodyne Kenpa Hoshiki", 2005 Nen The Institute of Electronics, Information and Communication Engineers Sogo Taikai Koen Ronbunshu, Electronics 1, C-14-9, 07 March 2005 (07.03.05), page 354	
	CD	"New Photonic Downconversion Technique with Optical Frequency Shifter for 60-GHz-Band Fiber-Radio Uplink Systems" by Toshiaki Kuri et al., Proceedings of the 2002 General Assembly of the Institute of Electronics Information and Communication Engineers, C-17-13, page 366	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	/Hibret Woldekidan/	Date Considered	04/21/2009
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GAS/dl

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /H.W./